



IFW

520.32696CC8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ARAI et al
Serial No.: 10/772,376
Filed: February 6, 2004
For: Information Output System
Group: 2111
Examiner: R. Phan

LETTER

Mail Stop: DD
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 1, 2005

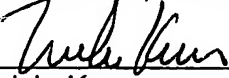
Sir:

In the matter of the above-identified application, applicants, as an aid to the Examiner, submit herewith a copy of pages 23 - 26 of Appendix A, previously submitted which has been annotated by "O" and "X" marks wherein "O" represents prior art that the Examiner may not have yet considered and "X" represents documents which are not considered to be prior art in that the date thereof is later than the priority date of this application.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 520.32696CC8), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Melvin Kraus
Registration No. 22,466

MK/jla
(703) 312-6600
Attachments



Appendix A

List of Prior Art

Patents	Inventors	Issue Dates	Bates Numbers
US 4,007,443	Bromberg et al.	February 1977	see file history
US 4,047,158	Jennings	September 1977	see file history
US 4,159,480	Tachi	June 1979	see file history
US 4,169,262	Schwartz et al.	September 1979	see file history
US 4,177,462	Chung	December 1979	see file history
US 4,197,590	Sukonick et al.	April 1980	see file history
US 4,251,755	Bryden	February 17, 1981	TPV 038241-8249
US 4,342,029	Hofmanis et al.	July 27, 1982	TPV 038250-8261
US 4,394,689	Wallace et al.	July 19, 1983	TPV 038262-8265
US 4,415,985	McDaniel et al.	November 1983	see file history
US 4,450,535	De Pommery et al.	April 1984	see file history
US 4,468,768	Sunkle et al.	August 28, 1984	TPV 038266-8272
US 4,563,677	Seiler	January 7, 1986	TPV 038273-8282
US 4,574,279	Roberts	March 4, 1986	TPV 038283-8307
US 4,589,063	Shah et al.	May 1986	see file history
US 4,626,837	Priestly	December 2, 1986	TPV 038308-8316
US 4,626,892	Nortrup et al.	December 1986	see file history
US 4,641,262	Bryan et al.	February 1987	see file history
US 4,680,647	Moriyama	July 1987	see file history
US 4,689,669	Hoshino et al.	August 25, 1987	TPV 038317-8328
US 4,727,362	Rackley et al.	February 23, 1988	TPV 038329-8336
US 4,727,947	Naito	March 1988	see file history
US 4,736,324	Sainen et al.	April 1988	see file history
US 4,737,772	Nishi et al.	April 12, 1988	TPV 038337-8354
US 4,743,968	Mogi et al.	May 1988	see file history
US 4,745,404	Kallenberg	May 17, 1988	TPV 038355-8358
US 4,747,041	Engel et al.	May 1988	see file history
US 4,754,204	Ando et al.	June 28, 1988	TPV 038359-8369
US 4,757,239	Starkey, IV	July 12, 1988	TPV 038370-8385
US 4,775,857	Staggs	October 1988	see file history
US 4,779,132	McBeath et al.	October 18, 1988	TPV 038386-8391
US 4,789,856	Yokota et al.	December 6, 1988	TPV 038392-8396
US 4,794,381	Iwai	December 27, 1988	TPV 038397-8403
US 4,800,376	Suga et al.	January 24, 1989	TPV 038404-8421
US 4,882,687	Gordon	November 1989	see file history
US 4,893,248	Pitts et al.	January 1990	see file history
US 4,922,448	Kunieda et al.	May 1990	see file history
US 4,970,655	Winn et al.	November 1990	see file history
US 4,980,678	Zenda	December 25, 1990	TPV 038422-8446
US 4,990,904	Zenda	February 1991	see file history
US 4,991,023	Nicols	February 5, 1991	TPV 038447-8466
US 5,010,238	Kadono et al.	April 1991	see file history
US 5,012,339	Kurata et al.	April 1991	see file history
US 5,031,118	Morizot	July 9, 1991	TPV 038467-8473
US 5,038,301	Thoma, III	August 6, 1991	H00001518-1527
US 5,068,732	Satoh	November 1991	see file history

1	US 5,109,434	Shimuzu et al.	April 28, 1992	TPV 038474-8535	○
	US 5,136,695	Goldshlag et al.	August 4, 1992	TPV 038536-8551	
2	US 5,138,305	Tomivasu	August 11, 1992	TPV 038552-8565	
	US 5,142,576	Nadan	August 25, 1992	TPV 038566-8585	○
3	US 5,150,109	Berry	September 1992	see file history	
	US 5,151,997	Bailey et al.	September 29, 1992	TPV 038586-8600	○
4	US 5,159,683	Lvovsky et al.	October 27, 1992	TPV 038601-8607	
	US 5,216,504	Webb et al.	June 1, 1993	TPV 038608-8631	
5	US 5,227,863	Bilbrey et al.	July 13, 1993	TPV 038632-8714	○
	US 5,227,881	Wess et al.	July 1993	see file history	
6	US 5,241,281	Wilkes et al.	August 31, 1993	TPV 038715-8725	
	US 5,251,031	Tagami	October 1993	see file history	
7	US 5,257,350	Howard et al.	October 26, 1993	TPV 038726-8739	
	US 5,262,759	Moniconi et al.	November 16, 1993	TPV 038740-8750	
8	US 5,270,821	Samuels	December 14, 1993	TPV 038751-8776	
	US 5,276,458	Sawdon	January 4, 1994	TPV 038777-8783	
9	US 5,276,875	Satoh	January 1994	see file history	
	US 5,282,247	McLean et al.	January 1994	see file history	
10	US 5,285,197	Schmidt et al.	February 8, 1994	TPV 038784-8799	
	US 5,309,174	Minkus	May 3, 1994	TPV 038800-8806	
11	US 5,309,504	Morganstein	May 1994	see file history	
	US 5,315,695	Saito et al.	May 1994	see file history	
12	US 5,317,691	Traeger	May 1994	see file history	
	US 5,319,582	Ma	June 7, 1994	TPV 038807-8811	○
13	US 5,321,750	Nadan	June 14, 1994	TPV 038812-8894	○
	US 5,347,630	Ishizawa et al.	September 13, 1994	TPV 038895-8905	○
14	US 5,353,423	Hamid et al.	October 1994	see file history	
	US 5,371,518	Hannah	December 6, 1994	TPV 038906-8931	
15	US 5,375,210	Monnes et al.	December 20, 1994	TPV 038932-8943	
	US 5,389,952	Kikinis	February 14, 1995	TPV 038944-8956	○
16	US 5,396,593	Mori et al.	March 7, 1995	TPV 038957-8963	
	US 5,444,849	Farrand et al.	August 22, 1995	TPV 038964-8985	○
17	US 5,448,697	Parks et al.	September 5, 1995	TPV 038986-9001	×
	US 5,457,473	Arai et al.	October 10, 1995	TPV 039002-9018	
18	US 5,483,255	Numao	January 1996	see file history	
	US 5,483,260	Parks et al.	January 9, 1996	TPV 039019-9030	×
19	US 5,499,040	McLaughlin et al.	March 12, 1996	TPV 039031-9051	×
	US 5,506,602	Yokoyama	April 9, 1996	TPV 039052-9082	
20	US 5,526,043	Wen	June 11, 1996	TPV 039083-9091	×
	US 5,546,098	Moniconi	August 13, 1996	TPV 039092-9134	
21	US 5,550,966	Drake et al.	August 1996	see file history	
	US 5,576,735	Kikuchi et al.	November 1996	see file history	
22	US 5,599,231	Hibino et al.	February 1997	see file history	
	US 5,602,567	Kanno	February 11, 1997	TPV 039135-9144	×
23	US 5,691,741	Kerigan et al.	November 25, 1997	TPV 039145-9155	×
	US 5,727,191	Konishi et al.	March 10, 1998	TPV 039156-9163	×
24	US 5,740,436	Davis et al.	April 14, 1998	TPV 039164-9175	×
	US 5,742,273	Flinders et al.	April 21, 1998	TPV 039176-9185	×
25	US 5,764,547	Bilich et al.	June 9, 1998	TPV 039186-9193	×
	US 5,828,834	Choi	October 27, 1998	TPV 039194-9205	×
26	US 5,850,209	Lemke et al.	December 15, 1998	TPV 039206-9220	×
	US 5,887,147	Arai et al.	March 1999	see file history	
27	US 5,896,546	Monahan et al.	April 20, 1999	TPV 039221-9232	
28					

1	US 5,909,592	Shipman	June 1, 1999	TPV 039233-9244	
	US 5,910,806	Narui et al.	June 8, 1999	TPV 039245-9256	X
2	US 5,917,462	Suzuki et al.	June 29, 1999	TPV 039257-9281	X
	US 5,943,029	Ross	August 24, 1999	TPV 039282-9296	X
3	US 5,948,091	Kerigan et al.	September 7, 1999	TPV 039297-9301	
	US 6,011,592	Vaughan et al.	January 4, 2000	TPV 039302-9309	X
4	US 6,012,103	Sartore et al.	January 4, 2000	TPV 039310-9323	
	US 6,052,740	Frederick	April 18, 2000	TPV 039324-9330	X
5	US 6,057,812	Arai et al.	May 2, 2000	TPV 039331-9349	
	US 6,057,860	Hoffert et al.	May 2, 2000	TPV 039350-9362	X
6	US 6,078,301	Arai et al.	June 20, 2000	TPV 039363-9381	O
	US 6,169,535	Lee	January 2, 2001	TPV 039382-9393	X
7	US 6,175,356	Jung	January 16, 2001	TPV 039394-9403	X
	US 6,219,451	Hunt et al.	April 17, 2001	TPV 039404-9415	X
8	US 6,223,283	Chaiken et al.	April 24, 2001	TPV 039416-9425	X
	US 6,263,440	Pruett et al.	July 17, 2001	TPV 039426-9436	X
9	US 6,285,397	Webb et al.	September 4, 2001	TPV 039437-9449	X
	US 6,300,921	Moriconi et al.	October 9, 2001	TPV 039450-9461	
10	US 6,300,980	McGraw et al.	October 9, 2001	TPV 039462-9473	X
	US 6,304,236	Arai et al.	October 16, 2001	TPV 039474-9491	O
11	US 6,304,895	Schneider et al.	October 16, 2001	TPV 039492-9517	X
	US 6,346,930	Arai et al.	February 12, 2002	TPV 039518-9535	O
12	US 6,348,904	Arai et al.	February 19, 2002	TPV 039536-9554	O
	US 6,437,829	Webb et al.	August 20, 2002	TPV 039555-9583	X
13	US 6,473,060	Kim	October 29, 2002	TPV 039584-9593	X
	US 6,590,547	Moriconi et al.	July 8, 2003	TPV 039594-9606	
14	US 6,590,572	Hoffert et al.	July 8, 2003	TPV 039607-9619	X
	US 6,618,773	Chang et al.	September 9, 2003	TPV 039620-9630	X
15	US 6,639,588	Arai et al.	October 28, 2003	TPV 039631-9648	O
	US 6,686,895	Arai et al.	February 3, 2004	TPV 039649-9666	O
16	EP 0 224 802 B1	Kallenberg	February 5, 1990	TPV 039706-9711	O
17	EP 0 456 923 B1	Sawdon	October 26, 1994	TPV 039749-9758	
	EP 0 653 090 B1	Moriconi et al.	November 18, 1998	TPV 039780-9792	X

Published Patent Applications	Inventors	Publication Dates	Bates Numbers	
EP 0 042 034 A1	Ranelli	December 23, 1981	TPV 039667-9685	O
EP 0 182 097 A2	Landers	May 28, 1986	TPV 039686-9705	O
EP 0 303 138 A2	Thoma	February 15, 1989	TPV 039712-9720	O
EP 0 448 267 A2	Stoorza et al.	September 25, 1991	TPV 039721-9733	O
EP 0 456 012 A2	Ishikawa	November 13, 1991	TPV 039734-9739	O
EP 0 456 923 A1	Sawdon	November 21, 1991	TPV 039740-9748	
EP 0 545 828 A3	Morimoto et al.	September 6, 1993	TPV 039759-9760	X
EP 0 612 053 A1	Flinders et al.	August 24, 1994	TPV 039761-9772	
EP 0 618 561 A2	Sawdon	October 5, 1994	TPV 039773-9779	X
EP 0 665 525 A3	Kerigan et al.	August 2, 1995	TPV 039793-9794	X
EP 0 708 399 A2	Eagle et al.	April 24, 1996	TPV 039795-9804	X
EP 0 760 499 A1	Konishi et al.	March 5, 1997	TPV 039805-9814	X
EP 0 856 993 A2	Hendricks et al.	August 5, 1998	TPV 039815-9909	X
WO 93/06587	Kurikko et al.	April 1, 1993	TPV 039910-9953	X
GB 2 270 451 A	Kokko	March 9, 1994	TPV 039954-9969	X

1	GB 2 235 358 A	Howard et al.	February 27, 1991	TPV 039970-0001	○
2	DE 37 22 169 A1	see file history	January 1989	see file history	
2	DE 40 25 295	see file history	February 1991	see file history	
3	DE 43 36 116 A1	Knauf et al.	May 11, 1994	TPV 040002-0010	
3	FI 914435	Kirikko et al.	March 21, 1993	TPV 040011-0012	
4	FI 923949	Kokko	March 4, 1994	TPV 040013-0014	X
4	H01-173787	Imoto	December 11, 1989	TPV 040015-0038	
5	JP 3-118595	Yamazaki	May 21, 1991	TPV 040039-0040 TPV 037412-0019 TPV 037321-0028	○
6	JP 1-274232	Momotake	November 2, 1989	TPV 040041-0044	○
7	JP 1-321475	Yamazaki et al.	December 27, 1989	TPV 040045-0053	
7	JP 2-103592	see file history	April 1990	see file history	
8	JP 2-127688	Matsubara	May 16, 1990	TPV 040054-0057 TPV 037409-0011 TPV 037318-0020	
9	JP 2-250576	Saito et al.	October 8, 1990	TPV 040058-0063	
10	JP 2-257196	see file history	October 1990	see file history	
10	JP 2-305293	Nakagawa et al.	December 18, 1990	TPV 040064-0069	○
11	JP 3-056931	see file history	March 1991	see file history	
11	JP 3-056993	Nishioka et al.	March 12, 1991	TPV 040070-0086	
12	JP 3-116093	Yuno et al.	May 17, 1991	TPV 040087-0091	
12	JP 3-118595	see file history	May 1991	see file history	
13	JP 3-148697	see file history	June 1991	see file history	
13	JP 3-160494	Mori et al.	May 15, 1991	TPV 040092-0097	
14	JP 3-177919	Oshima	August 1, 1991	TPV 040098-0101	
14	JP 3-226792	Furuvama	October 7, 1991	TPV 040102-0105	○
15	JP 3-261995	see file history	November 1991	see file history	
15	JP 4-021024	see file history	January 1992	see file history	
16	JP 4-037787	Takahashi	February 7, 1992	TPV 040106-0111	○
16	JP 5-046106	Tanaka et al.	February 26, 1993	TPV 040112-0117	
17	JP 5-083719	Tanaka	April 2, 1993	TPV 040118-0128	X
17	JP 5-158586	Asahina et al.	June 9, 1993	TPV 040129-0136	X
18	JP 5-232918	Kitou et al.	October 10, 1995	TPV 040137-0151	
18	JP 5-244404	Kumada	September 21, 1993	TPV 040152-0162	X
19	JP 54-159130	Yahagi	December 15, 1979	TPV 040163-0167	○
19	JP 58-103034	Noguchi	June 18, 1983	TPV 040168-0173	○
20	JP 60-117327	Yamaura	June 24, 1985	TPV 040174-0184	○
20	JP 6-116643	Kamishiro	April 26, 1994	TPV 040185-0188	X
21	JP 6-184688	Fujiyoshi	July 5, 1994	TPV 040189-0200	X
22	JP 6-236339	Arai	August 23, 1994	TPV 040201-0213	X

23					
24	Publications:		Bates Numbers		
24	"Video Subsystem," IBM Corp., May 1992		TPV 059548-9971		○
25	"Video Subsystem," IBM Corp., 1990		TPV 059422-9547		○
26	"The I2C-Bus Specification, Version 2.1," Phillips Semiconductor, January 2000		TPV 059376-9421		X
27	"ACCESS.bus, Specification Version 3.0," ACCESS.bus Industry Group, September 1995		TPV 059173-9375		X
28	"Display Function Identification," IBM Technical Disclosure Bulletin, May 1986		TPV 040214		